

4-WAY POWER DIVIDER

SURFACE MOUNT MODEL: SPD-5-2000

WIDE BANDWIDTH

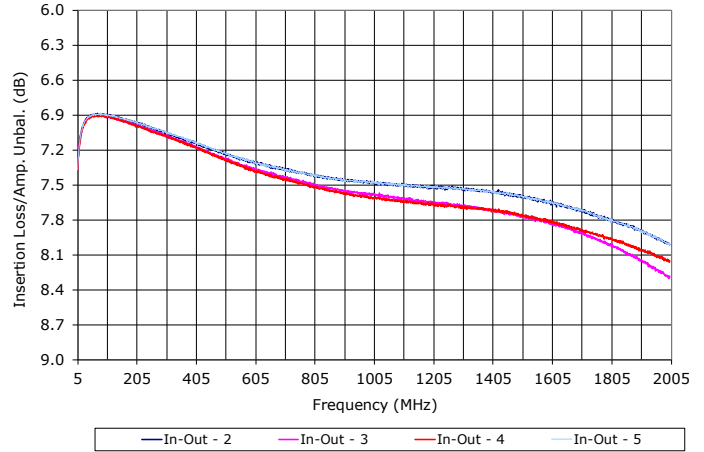
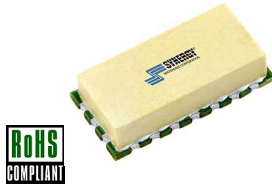
5 - 2000 MHz

FEATURES:

- ▶ Excellent Performance
- ▶ Wide Bandwidth
- ▶ Moderate Power
- ▶ Small Size, Surface Mount
- ▶ Lead Free RoHS Compliant

APPLICATIONS:

- ▶ Signal Splitting & Low Power Combining



SPECIFICATIONS(Rev. B 03/02/26)

Frequency	5 - 2000 MHz		
Insertion Loss (dB) ¹	Freq. (MHz)	Typ.	Max.
	5 - 50	1.3	1.8
	50 - 1000	1.6	2.3
	1000 - 2000	2.3	2.8
Isolation (dB)	Freq. (MHz)	Typ.	Min.
	5 - 50	30	20
	50 - 1000	20	15
	1000 - 2000	14	10
Phase Unbalance (Deg.)	Freq. (MHz)	Typ.	Max.
	5 - 50	0.5	2.0
	50 - 1000	3.0	5.0
	1000 - 2000	6.0	8.0
Amplitude Unbalance (dB)	Freq. (MHz)	Typ.	Max.
	5 - 50	0.01	0.2
	50 - 1000	0.1	0.4
	1000 - 2000	0.3	0.6
VSWR	Input	1.4:1	
	Output	1.2:1	
Input Power ²	1 Watt (CW)		
Impedance	50 Ohms (Nom.)		
Operating Temperature Range	-40 to +85 °C		

¹ Insertion loss in plotted data includes the theoretical 6.0 dB splitting loss.
² Handling power applies to splitter mode and assumes ideal 50 Ohms impedance matching on all ports.

Package # 219

PIN OUTS
 PIN 1 : INPUT
 PIN 2,3,4&5 : OUTPUTS
 ALL OTHER PINS GND

RECOMMENDED PCB LAYOUT

PACKAGE MOUNTING SEE APPLICATION NOTE AN7301

Port Configuration		
Input	Output	GND.
1	2,3,4,5	All Others

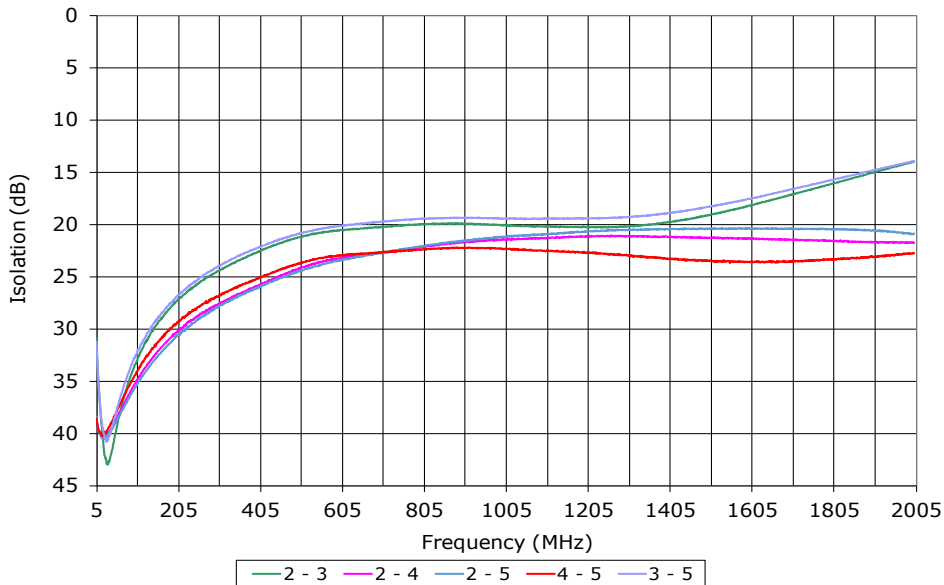
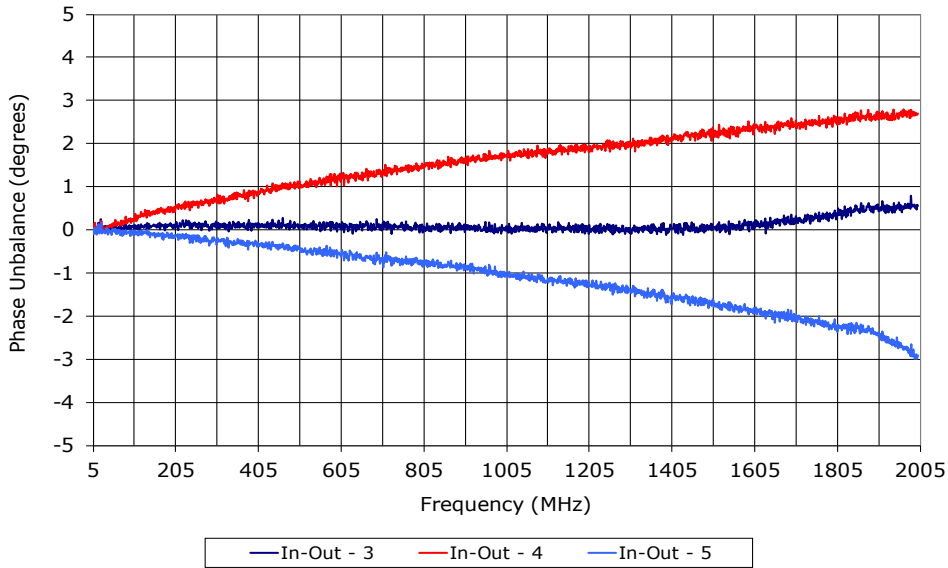
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PERFORMANCE PLOTS

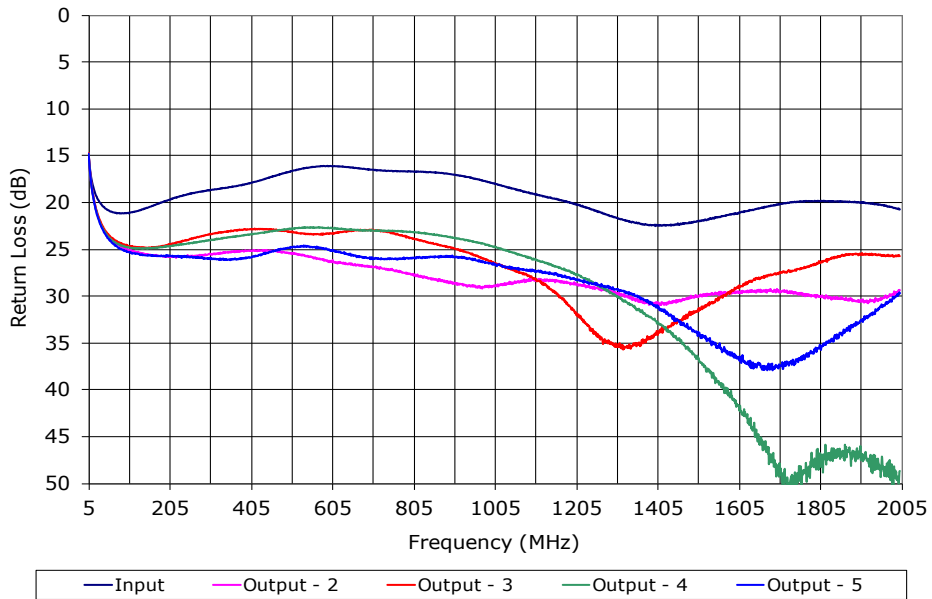


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